

FIG. 1

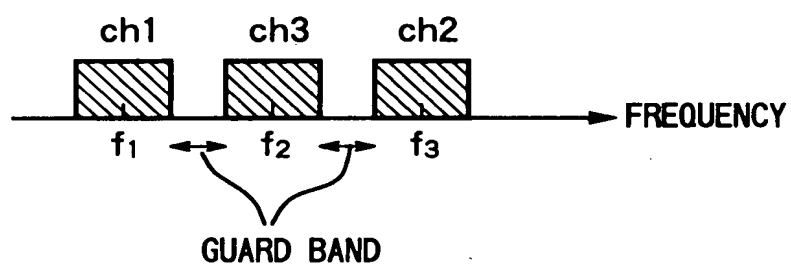


FIG. 2

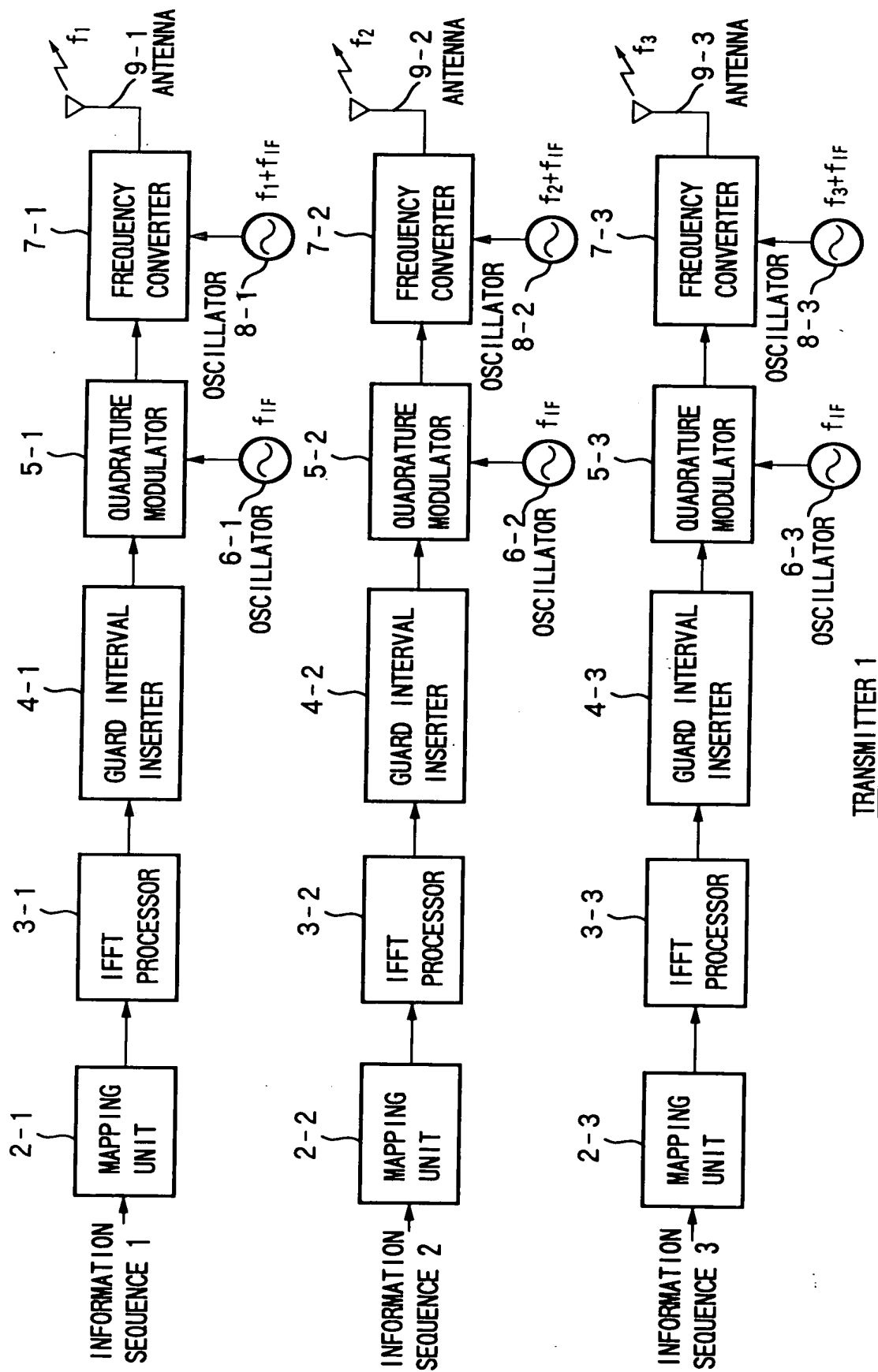
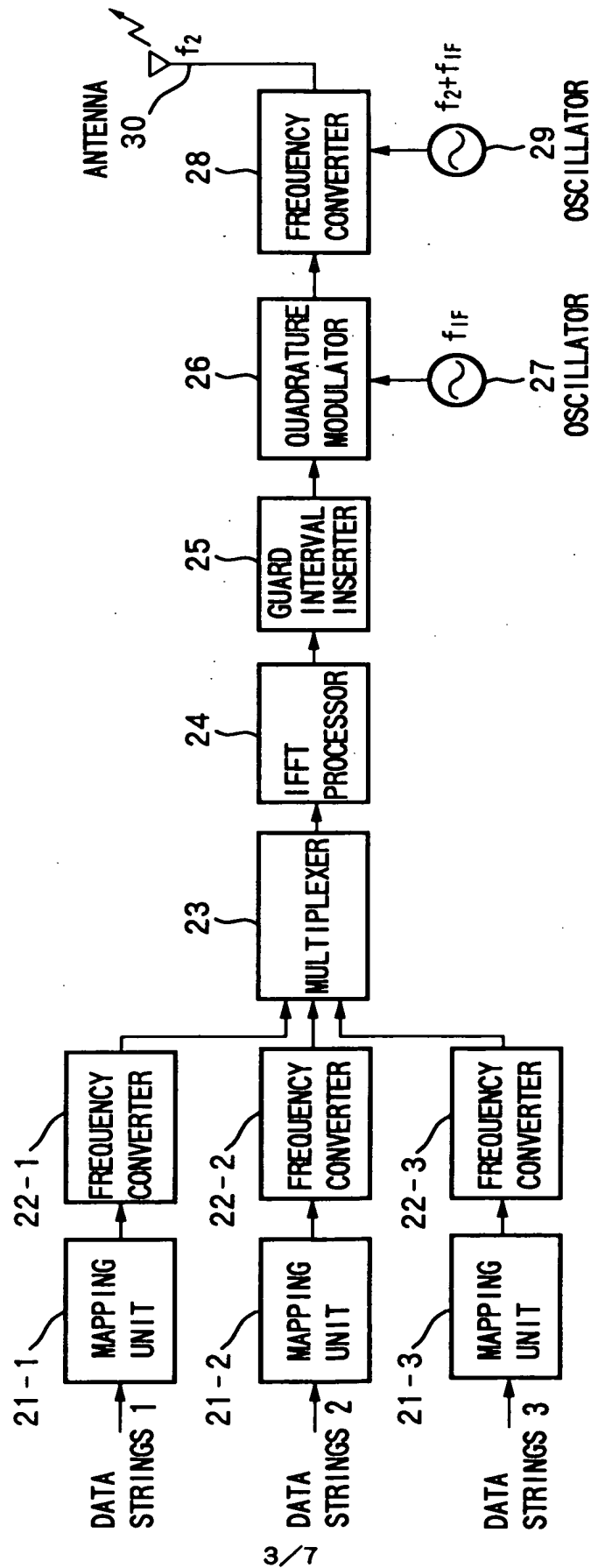


FIG. 3



TRANSMITTER 20

FIG.4

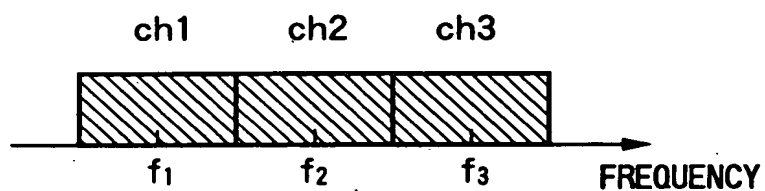


FIG.5

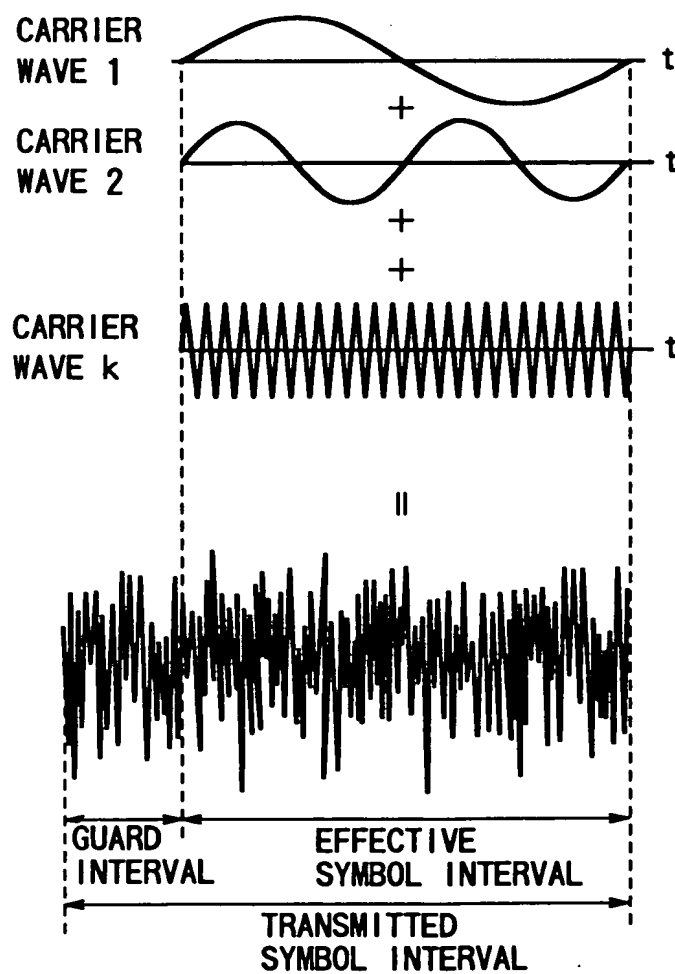


FIG.6

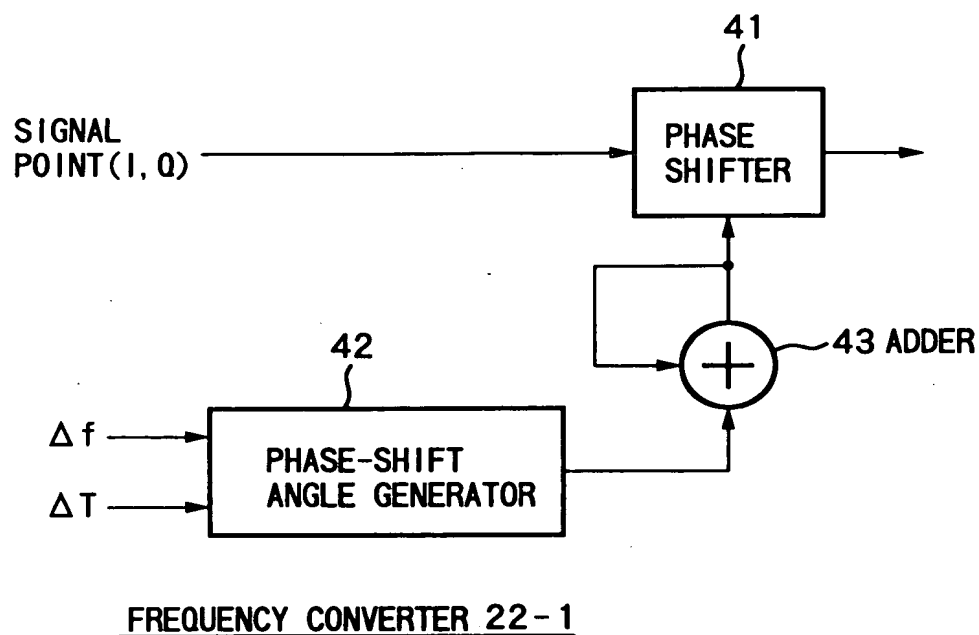


FIG.7

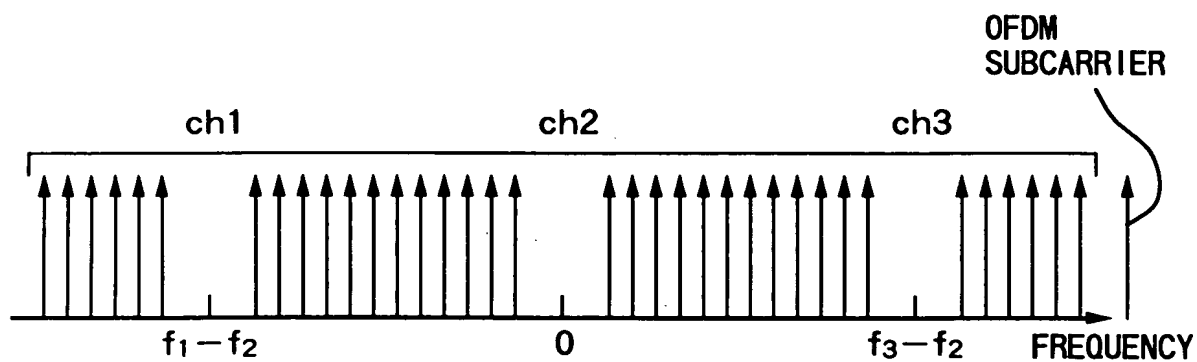
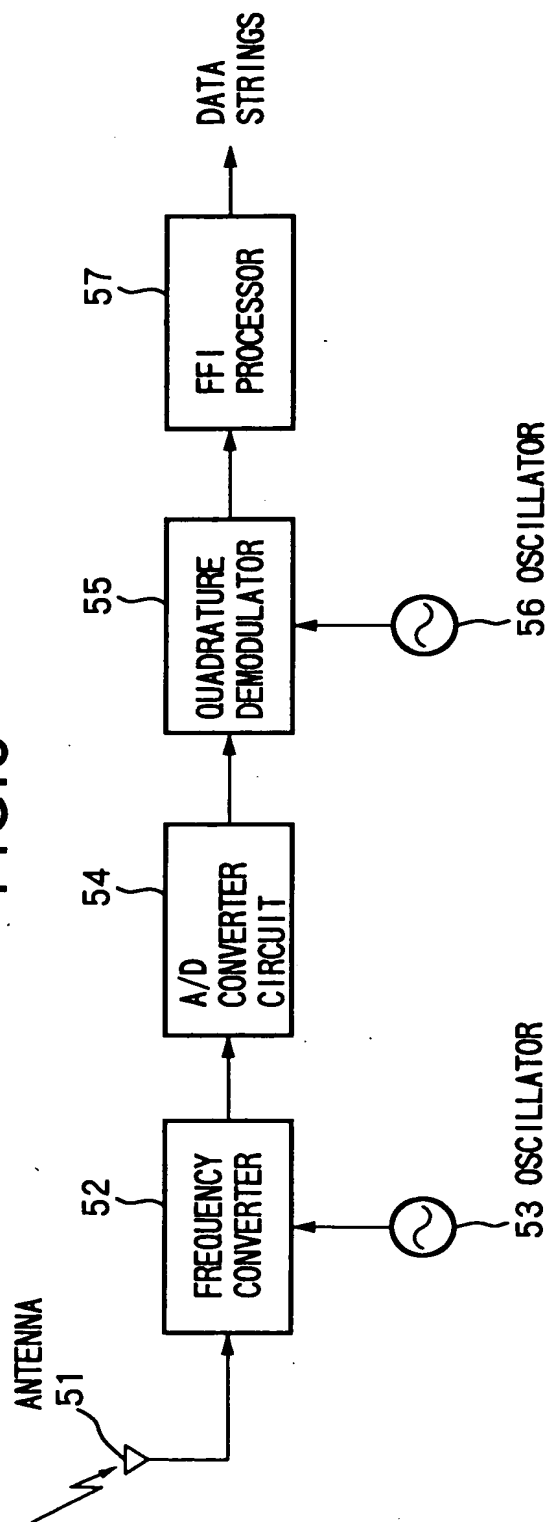


FIG. 8

RECEIVER 50

LIST OF REFERENCES

20... transmitter
21-1 to 21-3... mapping unit
22-1 to 22-3... frequency converter
23... multiplexer
24... IFFT processor
25... guard interval inserter
26... quadrature modulator
28... frequency converter
41... phase shifter
42... phase-shift angle generator
43... adder